Singlet and triplet excited state electric dipole polarizabilities of conjugated hydrocarbons

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First excited singlet and triplet electric dipole polarizabilities are reported. The ? polarizability is calculated by means of a modified Rayleigh?Schrödinger perturbation theory and an SCF?LCAO basis. The ? contribution is included by an additive scheme. The polarization of the ? electrons is partially accounted for through an empirical correction. Results compare satisfactorily with a configuration interaction perturbation calculation.